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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,783	03/12/2004	Jin-Kyoung Jung	SAM-0529	8323

7590 01/30/2006
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EXAMINER

CUNNINGHAM, TERRY D

ART UNIT	PAPER NUMBER
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2816

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

3K

Office Action Summary	Application No.		Applicant(s)	
	10/799,783		JUNG ET AL.	
	Examiner		Art Unit	
	Terry D. Cunningham		2816	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 and 25-32 is/are pending in the application.
- 4a) Of the above claim(s) 17-22 and 26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7-12, 14-16, 23, 25 and 27-32 is/are rejected.
- 7) ☒ Claim(s) 4-6 and 13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 March 2004 and 18 August 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2816

DETAILED ACTION

Summary of changes in this action

1. The amendment to the claims and Applicant's remarks overcome the New Matter objection and rejection and the indefiniteness rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 7-12, 14-16, 23, 25 and 27-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Morishita (USPN 6,184,744). Morishita discloses, in Fig. 2, a circuit comprising: “a control signal generating circuit (1d or disclosed activation circuit providing ACT) for generating a control signal (signal to the gate of 1e or ACT) responsive to an input signal (SIG or signal controlling disclosed activation circuit; “a comparing circuit (N3-N5, P7 and P8) enabled by being provided an external power voltage (the supply voltage having the nodes EXV and ground) as a power voltage when the control signal is inactivated.(e.g., when ACT is high and SIG is low) and for comparing a reference voltage (Vref) to an internal voltage (IntVcc) to generate a driving signal (NDA) when the control signal is inactivated”; “a driving signal control circuit (1e)”; and “an internal voltage driving circuit (DRM) for receiving an external power voltage and generating the internal voltage in response to the driving signal”, all connected and operating similarly as recited by Applicant.

Art Unit: 2816

Examiner has fully considered Applicant's remarks for the above rejection and has not found them to be persuasive. Applicant argues concerning the language stating that the "input signal indicates that the number of data bits being processed by the semiconductor device is more than a predetermined number of bits". However, no circuitry or elements are recited to detect or determine the "number of bit". Therefore, it is clear that this is "intended use" language or mere functional recitation. Clearly, signal ACT and/or SIG of Morishita is capable of being a signal indicative of the "number of bits" the circuit is using. It is noted that Morishita expressly states that the signal CT that is activated during operation of internal circuitry (not shown) is activated". The activation of the circuit can clearly be related to the number of bits.

Claims 4-6 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

Art Unit: 2816

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC
January 25, 2006


Terry D. Cunningham
Primary Examiner
Art Unit 2816